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TITLE: IMAGE FORMING DEVICE

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INVENTOR-INFORMATION:

NAME

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| NAME | COUNTRY |
|--------------|----------------|
| RICOH CO LTD | N/A |

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ABSTRACT:

PURPOSE: To prevent the deterioration of picture quality caused by deviation of the scanning timing of a light beam by providing as many photosensor as a light source, and arranging the light source and the photosensor on the surface formed by the scanning light beam through respective prescribed angles.

CONSTITUTION: As many photosensors 8 as light sources 1 are provided, the light sources 1 and the photosensors 8 are arranged on the surface formed by the scanning light beam through respective angles, plural parallel light beams emitted from the light sources 1 are deflected by a deflector and made incident to the corresponding light sensors 8 respectively. When detecting the light beam, the respective light sensors 8 generate synchronization detection signals. The synchronization detection signals are inputted to a picture element clock generation circuit, and the picture element clock generation circuit generated picture element clocks accurately synchronized to the scanning of the light beams. Thus, the scanning timing of the light beams is completely coincident so that the deterioration of picture quality caused by the irradiation deviation of the light beams can be prevented.

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